













1.5m drop











2200 mah



HR15 BT Wahoo handheld scanners

Features

High Performance 1D Scanning.

The HR15 BT Wahoo combines Newland's own UIMG decoding with our latest linear imager scanning technology to produce snappy scanning on 1D codes. Printed or displayed on a variety of materials the Wahoo scans at a distance and speed closer to the performance expected from that of laser scanners than from traditional CCD.

Reliable Wireless Connection.

Adopting the latest Bluetooth 5.0 technology, the HR15 BT Wahoo is able to maintain a strong, anti-interference connection to transmit data. Achieving communication distances of up to 50m, the Wahoo is as at home in a tight localized workspace where wires are unwanted clutter, as it is to bridging wider gaps from a host to a scanner.

Seven scanners to one base station.

The BT5.0 technology selected for the HR15 BT Wahoo allows up to 7 scanners to be paired to a single base station, allowing coordinated scanning applications to transmit data to a single host. This maximises available human resource without having to match up each scanner with a different PC, tablet or mobile computer.

Real time and batch.

The intelligence in the HR15 BT Wahoo allows the user to move seamlessly from direct BT download to a host. When out of range, it can store captured codes and download them when back in range. With its large memory capacity, enabling storage of up to 15,000 standard EAN barcodes, the Wahoo can set up to work as a pure data collector.

Stamina in the work place.

The HR15 BT Wahoo is built to be dropped from 1.5m and sealed for dust and moisture. It has a battery capacity designed to prop up its efficient power consumption to over 15 hours.

Powerful Data Editing.

The HR15 BT Wahoo is compatible with Newland's Easyset configuration software, allowing users to create the ideal configurations to match the Wahoo's incredible scanning performance with the application requirements.

Application Scenarios



food traceability







healthcare







retail

HR15 BT Wahoo technical specifications

Image Sensor 2500 CCD Illumination Red LED (622nm-628nm) Depth of Field EAN13 55mm-550mm (13mil) Depth of Field CODE 39 90mm-160mm (5mil) 25% Scan Angle Pitch ±60° Scan Angle Pitch ±60° Scan Angle Skew ±60° Sca	Performance	Memory Flash	≥15000 pieces Code 128 (20 byte of each code 128)
Pepth of Field EAN13 (13mil) Depth of Field CODE 39 (5mil) Pepth of Field CODE 39 (5mil) Minimal Print Contrast 225% Scan Angle Pitch 560° Scan Angle Skew ±60° Pepth of Scan Angle Skew ±60		Image Sensor	2500 CCD
Camping Camp		Illumination	Red LED (622nm-628nm)
Smil			
Scan Angle Pitch Scan Angle Skew ±60° Data capture 1D EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc. Physical Weight Scanner: 113.5(W)x73.3(D)x159.0(H)mm Weight Scanner: 213g Battery Type 2200 mAh lithium-ion battery Expected Battery Life ≥12 hours of continuous operation (scan once per 6 seconds) Expected Charge Time ≥41 hours (with power adapter) Notifications Beep, LED indicator Input Voltage 5VDC±5% Environmental Operating Temperature -20°C to 50°C (14°F to 122°F) Storage Temperature -20°C to 50°C (14°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge ±8KV (air discharge); ±4KV (direct discharge) ESCD) Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration)			90mm-160mm
Scan Angle Skew		Minimal Print Contrast	≥25%
Data capture ID EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc. Physical Dimensions (mm) Scanner: 213g Interfaces RS-232, USB Battery Type 2200 mAh lithium-ion battery Expected Battery Life Expected Charge Time RS-232, USB Expected Charge Time Notifications Beep, LED indicator Input Voltage 5VDC±5% Environmental Operating Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) ±8KV (air discharge); ±4KV (direct discharge) Sealing IP42 Wireless WPAN Radio Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications FCC Part15 Class B, CE EMC Class B		Scan Angle Pitch	±60°
Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.		Scan Angle Skew	±60°
Weight Scanner: 213g Interfaces R5-232, USB Battery Type 2200 mAh lithium-ion battery Expected Battery Life ≥12 hours of continuous operation (scan once per 6 seconds) Expected Charge Time ≤4 hours (with power adapter) Notifications Beep, LED indicator Input Voltage 5VDC±5% Storage Temperature -20°C to 50°C (14°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) Crop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications FCC Part15 Class B, CE EMC Class B	Data capture	1D	
Interfaces RS-232, USB Battery Type 2200 mAh lithium-ion battery Expected Battery Life ≥12 hours of continuous operation (scan once per 6 seconds) Expected Charge Time ≤4 hours (with power adapter) Notifications Beep, LED indicator Input Voltage 5VDC±5%	Physical	Dimensions (mm)	Scanner: 113.5(W)x73.3(D)x159.0(H)mm
Battery Type 2200 mAh lithium-ion battery Expected Battery Life ≥12 hours of continuous operation (scan once per 6 seconds) Expected Charge Time ≤4 hours (with power adapter) Notifications Beep, LED indicator Input Voltage 5VDC±5% Environmental Operating Temperature -20°C to 50°C (14°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) ±8KV (air discharge); ±4KV (direct discharge) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Weight	Scanner: 213g
Expected Battery Life ≥12 hours of continuous operation (scan once per 6 seconds)		Interfaces	RS-232, USB
Expected Charge Time Notifications Beep, LED indicator Input Voltage 5VDC±5% Environmental Operating Temperature -20°C to 50°C (14°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Certifications Certifications Certifications FCC Part15 Class B, CE EMC Class B		Battery Type	2200 mAh lithium-ion battery
Notifications Beep, LED indicator		Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)
Input Voltage 5VDC±5%		Expected Charge Time	≤4 hours (with power adapter)
Environmental Operating Temperature Storage Temperature -20°C to 50°C (14°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Notifications	Beep, LED indicator
Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Input Voltage	5VDC±5%
Humidity 5% to 95% (non-condensing) Electro Static Discharge (ESD) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B	Environmental	Operating Temperature	-20°C to 50°C (14°F to 122°F)
Electro Static Discharge (ESD) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Bluetooth 5.0 Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Storage Temperature	-40°C to 70°C (-40°F to 158°F)
(ESD) Drop Scanner: 1.5m Cradle: 1m Sealing IP42 Wireless WPAN Radio Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Humidity	5% to 95% (non-condensing)
Wireless WPAN Radio Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		9	±8KV (air discharge); ±4KV (direct discharge)
Wireless WPAN Radio Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Drop	Scanner: 1.5m Cradle: 1m
Communication Distance ≥50m/164ft (direct line of sight in open air) Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Sealing	IP42
Communication Modes Synchronous, asynchronous and batch modes Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B	Wireless	WPAN Radio	Bluetooth 5.0
Device Management Software EasySet (configuration) Certifications Certifications FCC Part15 Class B, CE EMC Class B		Communication Distance	: ≥50m/164ft (direct line of sight in open air)
Management Certifications Certifications Certifications Certifications Certifications EasySet (configuration) EasySet (configuration)		Communication Modes	Synchronous, asynchronous and batch modes
		Software	EasySet (configuration)
Warranty Warranty 3 years	Certifications	Certifications	FCC Part15 Class B, CE EMC Class B
vvarianty vvarianty 3 years	Warranty	Warranty	3 years

